



2631
PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: ZSCHUNKE ET AL 2 PCT

Serial No.: 10/522,861

Group: 2631

FILED: JANUARY 31, 2005

FOR: METHOD FOR DIVIDING THE BIT RATE OF QPSK SIGNALS
INTO TWO OR SEVERAL SUBCHANNELS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Supplemental to the Information Disclosure Statement filed on November 14, 2005, Applicants enclose herewith a copy of the PTO Form 1449 previously submitted and two references unavailable at the time of the November 14, 2005 IDS submission. Because the instant Supplemental Information Disclosure Statement (IDS) is being filed before the issuance of a first Office Action on the merits, it is believed that no official fee is required in connection with the same. It is respectfully requested that the foregoing Supplemental IDS be incorporated into the official file of the present patent application.

Respectfully submitted,
ZSCHUNKE ET AL 2 PCT

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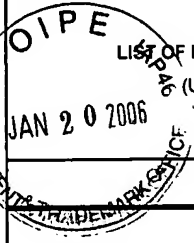
Enclosure: Copy of PTO-1449 form submitted on November 14, 2005 and two references.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commission for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 17, 2006.

Kelly Espitia

FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: ZSHUNKE ET AL 2 PCT		SERIAL NO.: 10/522,861	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Wilmot ZSHUNKE ET AL			
		FILING DATE: JAN. 31, 2005		GROUP: 2631	
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA	4680777	7/1987	SAHA (German Priority)	
	AB	6278732	8/2002	BEIDAS BASSEL F ET AL (Intl. Srch. Rep.)	
FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS
	AC				
	AD				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)					
AE	"Datenübertragung" [Data Transmission], BOCKER , Peter, Volume I, Fundamentals, 2nd edition 1983, Berlin, Springer Verlag [publishing company], ISBN 3-540-12117-X, pgs. 110 to 124 and pages 144-150 ((German Priority, Preliminary Amendment) ENCLOSED				
AF	Gruenbacher D M et al: "A Simple Algorithm for Generating Discrete Prolate Spheroidal Sequences: IEEE Transactions on Signal Processing Vol. 42, No. 11, November 1994 Page 3276-3278, XP 002269014 New York, USA (Intl. Srch. Rep.) TO FOLLOW ENCLOSED (1-17-06)				
AG	Gruenbacher D M et al: "N Dimensional Orthogonal QPSK Signaling with Discrete Prolate Spheroidal Sequences" Radio and Wireless Conference, 1998, Colorado Springs, Co, USA 9-12 August 1998, Pages 63-68, XP 010296329 New York, USA (Intl. Srch. Rep.) ENCLOSED				
AH	Huber, J, Manual .: "Trelliscodierung" [Trellis Coding], Springer Verlag, 1992 under the series Nachrichtentechnik [Communications Technology], 21, ISBN 3-540-55792-X, pgs 12, 13 (Preliminary Amendment & German Priority) ENCLOSED				
AI	SAHA, Debarata, BIRDSALL, Theodore G.: Quadrature-Quadrature Phase-Shift Keying, IN: IEEE Transactions and Communications, Vol. 37, No. 5, May 1989, S.437 - 448. (Specification & German Priority) ENCLOSED				
AJ	IEEE Transactions on Communications COM-29, No. 7 (July 1981), pages 982-989 (Specification)(NOT PRESENTLY AVAILABLE.)				
EXAMINER			DATE CONSIDERED		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: ZSHUNKE ET AL 2 PCT		SERIAL NO.: 10/522,861	
 LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Wilmut ZSHUNKE ET AL			
				FILING DATE: JAN 3 2005		GROUP: 2631	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
AA	SARI, Hikmet: A generalization of multidimensional modulation IN: IEEE Communications, 1995. ICC 95 Seattle, Gateway to Globalization, 1995 IEEE International Conference on, Volume: 2, 18-22 June 1995 Page(s): 683 - 687 vol 2. (German Priority) ENCLOSED						
AB	VIGIL, A. J. u. a.: Finite Truncated Cosine Series Design of Full Response Signaling Offset Binary Modulation Systems, IN: IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, 5. 1465- 1470. (German Priority) ENCLOSED						
AC	Waldeck B H et Al: "Performance Evaluation of TFO-Q²PSK in Gaussian, Multipath and Fading Channels" 1999 IEEE Africon 5th, Africon Conference in Africa, Cape Town, South Africa, 28 September 1999- October 1999, Pages 233-238 XP 000895832 New York, USA (Intl. Srch. Rep.) ENCLOSED						
AD	"Nachrichtentechnik" [Communications Technology] by E. Herter/W. Lörcher, 5th edition, which appeared in the Hanser Verlag [publishing company] in 1990, pages 110 ff. (Specification) ENCLOSED						
AE	IEEE Transactions on Communications COM-15, No. 6 (Dec. 1967) pgs 805-811 SALTZBERG, Burton, R. (Specification) ENCLOSED						
AF	IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, pages 1465 (Preliminary Amendment) TO FOLLOW ENCLOSED (1-17-06)						
AG	IEEE Transactions on Communications, Vol. 42, No. 2/3/4, February/March/April 1994, S. 403 - 409. VISINTIN, Monica u. a.: Four-Dimensional Signaling for Bandlimited Channels, / IN (German Priority) ENCL.						
AH	INTERNATIONAL SEARCH REPORT - ENCLOSED						
AI	INTERNATIONAL PRELIMINARY EXAMINATION REPORT - ENCLOSED						
AJ							
AK							
AL							
AM							
EXAMINER				DATE CONSIDERED			

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